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OM nucleic - nucleic search, using sw model

Run on: November 8, 2001, 12:59:21 : Search time 101.15 Seconds

(without alignments)
13812.563 Million cell updates/sec

Title: US-09-227-881-3

Perfect score: 6169

Sequence: 1 atctgttcagtttactc.....cttgtccctcattcagtcag 6169

Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 351203 seqs, 113238999 residues

Word size : 8

Total number of hits satisfying chosen parameters: 540559

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	6169	100.0	6169	4 US-08-938-669A-3	Sequence 3, Appl
2	5008	81.2	5300	4 US-08-938-669A-1	Sequence 1, Appl
3	4476	72.6	5304	4 US-08-938-669A-2	Sequence 2, Appl
4	640	10.4	1548	4 US-08-938-669A-26	Sequence 26, Appl
5	640	10.4	1999	2 US-08-645-900A-2	Sequence 2, Appl
6	640	10.4	1999	2 US-08-882-238A-2	Sequence 2, Appl
7	640	10.4	1999	2 US-08-667-790A-2	Sequence 2, Appl
8	640	10.4	1999	3 US-09-220-459-2	Sequence 2, Appl
9	640	10.4	1999	4 US-08-546-568B-2	Sequence 2, Appl
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14	604	9.8	1512	4 US-08-546-568B-3	Sequence 4, Appl
15	599	9.7	2166	4 US-08-822-999-1	Sequence 1, Appl
16	553	9.0	1512	4 US-08-822-999-2	Sequence 2, Appl
17	538	8.7	1985	2 US-08-791-347-1	Sequence 1, Appl
18	527	8.5	1509	2 US-08-791-347-2	Sequence 2, Appl
19	366	5.9	1968	5 PCT-US95-14024-2	Sequence 2, Appl
20	366	5.9	1969	1 US-08-336-235A-2	Sequence 2, Appl
21	366	5.9	1969	1 US-08-649-432-2	Sequence 2, Appl
22	330	5.3	1491	1 US-08-336-235A-3	Sequence 3, Appl
23	330	5.3	1491	1 US-08-649-432-3	Sequence 3, Appl
24	330	5.3	1491	5 PCT-US95-14024-3	Sequence 3, Appl
25	88	1.4	642	4 US-08-822-999-9	Sequence 9, Appl
26	88	1.4	643	2 US-08-791-347-15	Sequence 15, Appl
27	43	0.7	2900	3 US-09-038-832-1	Sequence 1, Appl

28	43	0.7	35100	1 US-08-306-691B-19	Sequence 19, Appl
29	43	0.7	35100	5 PCT-US93-06251-19	Sequence 19, Appl
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31	41	0.7	1400	4 US-09-018-584A-35	Sequence 35, Appl
32	41	0.7	4183	4 US-09-460-145-1	Sequence 1, Appl
33	39	0.6	18596	4 US-09-318-448-11	Sequence 11, Appl
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42	36	0.6	2713	4 US-09-154-602-6	Sequence 6, Appl
43	36	0.6	36741	4 US-09-301-665-3	Sequence 3, Appl
44	36	0.6	246240	2 US-08-724-394A-20	Sequence 20, Appl
45	36	0.6	246240	2 US-08-724-394A-21	Sequence 21, Appl

ALIGNMENTS

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RESULT 1
US-08-938-669A-3
; Sequence 3, Application US/08938669A
; Patent No. 6171788
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
; TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Howrey & Simon
; STREET: 1299 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004-2402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938, 669A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/791,154
; FILING DATE: 28-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mendelson, Elliot
; REGISTRATION NUMBER: P-42, 878
; REFERENCE/DOCKET NUMBER: 07425-0034
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 383-6857
; TELEFAX: 202 383-6610
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6169 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-938-669A-3

Query Match 100.0%; Score 6169; DB 4; Length 6169;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 6169; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2			
US-08-938-669A-1			
Sequence 1, Application US/08938669A			
Patent No. 6171788			
GENERAL INFORMATION:			
APPLICANT: Nguyen, Thai D.			
APPLICANT: Polansky, Jon R.			
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,			
TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND			
TITLE OF INVENTION: RELATED DISEASES			
NUMBER OF SEQUENCES: 32			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: Howrey & Simon			
STREET: 1299 Pennsylvania Avenue, N.W.			
City: Washington			
STATE: DC			
COUNTRY: USA			
ZIP: 20004-2402			
COMPUTER READABLE FORM:			
MEDIUM TYPE: Diskette			
COMPUTER: IBM Compatible			
OPERATING SYSTEM: DOS			
SOFTWARE: FastSeq for Windows Version 2.0			
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RESULT 3
US-08-938-669A-2
; Sequence 2, Application US/08938669A
; Patent No. 6171788
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; GENERAL INFORMATION:
;
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
; TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND
; TITLE OF INVENTION: RELATED DISEASES
; NUMBER OF SEQUENCES: 32
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howrey & Simon
; STREET: 1299 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004-2402
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938, 669A
; FILING DATE:
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/791,154
; FILING DATE: 28-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mendelson, Elliot
; REGISTRATION NUMBER: P-42, 878
; REFERENCE/DOCKET NUMBER: 07425-0034
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 383-6857
; TELEFAX: 202 383-6610
; TELEX:
;
; INFORMATION FOR SEQ ID NO: 2:
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; SEQUENCE CHARACTERISTICS:
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; LENGTH: 5304 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; US-08-938-669A-2

Query Match      72.6%; Score 4476; DB 4; Length 5304;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 5016; Conservative 0; Mismatches 6; Indels 2; Gaps 2;

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Db	1501	AGCCTCCTAAAGTGCTGGATTTACAGGCATGATCAGCGCGCGCAAGGTACGTGT	1560
QY	1561	ttaataaggaataaactggaatggtttaacaaacagaaggaacacaaagctgtga	1620
Db	1561	TTAAATTAAGGAATTAACCTGAATGTGTTTACTTAACCAACAGGAAACAGCAAAAGCTGTGA	1620
QY	1621	taattcaaggaatctctggagatgaggaagtgagcaatgagctgcagctctgctagccagac	1680
Db	1621	TAAATTCAGGAACTCTTGGAATGGGAATAGTGCCATGAGCTGCTGCTTACTGCCAGAC	1680
QY	1681	cactgtctcatalcaactctctcccaactcaatttcaagctgaagtatacatattat	1740
Db	1681	CAGTGTCTCATCATCTTCTCTCCCTCATCTCATTTTCAGGCTAAATTAACATTTTATT	1740
QY	1741	caccatgcttttgtgtgaagctcccaacatcgatctagaaataagaatatacctaactag	1800
Db	1741	CACCATGCTTTTGTGTGAAGCTCCACATCGTATGGAATTAAGATTAACATTAACATAG	1800
QY	1801	tctcaattggagagcaatctgtgtgtgtatgaagagagagagagacataacccagaagctcc	1860
Db	1801	TTCCATTTGGGGGCATCTGTGTGTGTGTATAGGGAGAGAGGCATTAACCCAGAGACTCTT	1860
QY	1861	tgaagcccccgcagagagttctctctccagcttgagggagccccctgcaagcaccccggtctc	1920
Db	1861	TGAAGCCCCGCGAGAGGTTTCTCTTCAGAGTGGGGAGACCCCTGCAGACACCGGGGTCC	1920
QY	1921	tgggtgtctcagagcaacctgcagagcccgctgcacatggttgtttgtatacactctc	1980
Db	1921	TGGGTGTCTCAGAGCAACCTCCAGCCCGGCACAGTGTTGTTTGTATCACTCTCAGG	1980
QY	1981	gacgtgtgtctctatcttctgtgtgaacccgttaattatccagagcatatgaataat	2040
Db	1981	GACGTGTGCTTCTATTTCTGTGTGTACTCGTTTCATTCACAGGCATTCATTAACAAAT	2040
QY	2041	tattgagtaactatatactgcagagacccagaagacaaaatggtgagcaagaagcactatgc	2100
Db	2041	TATTGAGTACTTATATCTGCGACAGACAGACAAAAATGGTGAAGCAAAAGCAGTCACTGC	2100
QY	2101	ccatacctcgttgagagtgacagttctctcaatggaagcgtgcagaagaataataatagca	2160
Db	2101	CCATACCTCTTGAGAGTGACAGTTTCTCATGTGMAACGTGCAGAAAGAAATTAATAGCCA	2160
QY	2161	gccaacctaaccagtgctcgaagaagaagaataaacaacatcttgaagaatgtgtgcg	2220
Db	2161	GCCAACTTAACCCAGTGCTGAGAAAGAAAGAAATTAACACCATCTTGAAGAAATTTGTGCGC	2220
QY	2221	agcaatcccttaacaaggaacccctccctaaagccccctgtcctctccatcgtgtgccccgaag	2280

Db	2221	AGCATCCCTTAACAAGGCGACCTCCCTAGCGCCCCCTGCTGCCTCATTGTCGGCGAGG	2280
Oy	2281	ccccbaagcccgagtcctccaaagccctccctccatcagcaagcgctcgaagctgagcct	2340
Db	2281	CCCCAACCCCGAGCTCTTCCAAAGCCTCCTCCATCAGTACAGCGCTGACAGCGGCGCT	2340
Oy	2341	gctcgcgctcccgagaaatcgctcgtgctgcatctgagctgagagacccctctgctccagcct	2400
Db	2341	GCCTCGCTTCCCGTAATCGTCGTGTCATCTGAGCTGAGACTCTTGGCTCCAGGCT	2400
Oy	2401	ccagaaagaaatcgagaggggaaactaagtcctaaacgagaatctgagagggagagtgcttc	2460
Db	2401	CCAGAAAGAAATGGAGAGGGAAGAACTAGTCAACGGAGAAATCTGGAGGGGACAGCTTTC	2460
Oy	2461	ctcagaagagaaaggggctccacagtcacagagaatccagaaggtgggagactcagagag	2520
Db	2461	CTCAGAGGGAAGGGGCTCCACGCTCCAGGAATTCAGAGAGGTGGGACTGCAGGGAG	2520
Oy	2521	tgaggagagctggggctggagcggggtgctgaaaggcagagaagtgaaaggcgaagcgtgaa	2580
Db	2521	TGGGAGCCTTGCGGCTGAGCGGTGAGCGGTGCTAAAGAGCAGAGAGTGAAGAGGAGCTGAA	2580
Oy	2581	gcctgcccagatgctcagtgctgctcaacggggctggaggtcttcgctgctcctgtagc	2640
Db	2581	GCTGCCAGATGTCAGTGTTCAGTGTTCACGGGGCTGGAGTTTCCGTTGCTTCTGTGAGC	2640
Oy	2641	ctcttactctctctcgtcgtcgtgagagagaagatctatctcaatgaagagatgacatc	2700
Db	2641	CTTTTATCTTTCTCTCTCTGAGGAGAGAGAGTCTATTTTCATGAAAGGATGCGATTTTC	2700
Oy	2701	ataaagctagctgtctaaatctccaggggtgctgcatgaggtcttcctccacagaagcccttat	2760
Db	2701	ATTAAGTACGCTGTTAAATTTCCAGGGGTGTCATGAGTTTTCCTTTCACAGAGGCTTTAT	2760
Oy	2761	ctaaatgggaatactgaagacgagctcatalctccagagccgtctaatctcaagagaagtgac	2820
Db	2761	TTAATGGGAATATAGGAAGCGAGCTATTCTTAGCGGCTTAATTCACAGGAAGAGTGAC	2820
Oy	2821	tgaggtctctctctctcgtcgtcgtgagagaactcagccctggtgagacttgagctta	2880
Db	2821	TGGAGTCTTTTCTTTCATAGTCTTCTGGGCAACTACTAGCCCTGAGTGAGCTTGGCTTA	2880
Oy	2881	tgcaagagagctcgaagaacctctggaatcagagagactcgcttctctcgtgcttgacatt	2940
Db	2881	TGCAAGAGGCTCGAAGAACTTGGAAATCAGAGACTCGGTTTCTTCTGAGTTCCACTT	2940
Oy	2941	ggttgagctgagacggctgggcaagtgctctcctctccctgggccaatagctctcctgct	3000
Db	2941	GTTGGCTGTGCGAGCCGTGGGCAAGTGTCTCTCCCTGGGCCATAGTCTCTCTGCT	3000
Oy	3001	ataaagacctctgagctcgtctgctctgtaaacactccctgtaattcctcgtgagggg	3060
Db	3001	ATAAAGACCTTGGCAGCTCTGCTGTCTGTGAACACTTCCCTGTATTTCTGTGAGGGG	3060
Oy	3061	gagatgtgagaggggaaaggcagagctlgagagcagctgagcccaaggagggtgagagg	3120
Db	3061	GGATGTTGAGAGGGGAAGAGGAGAGCTGAGAGAGCTGAGCCAGAGGGAGAGTGAGAGG	3120
Oy	3121	ggacagagagcagagcagaagctgggtgctcctcagctcctcagctgaacagctcagctc	3180
Db	3121	GGACAGGAGAGCAGGAGCAAACTGGGTCTCTCATGATCTCTACATGATCAGCTCAGACTC	3180
Oy	3181	cagagccgagagccaatgctctcaagaaagctcaatgaaccacaacagccaatttctct	3240
Db	3181	CAGAGCCAGAGCCACATGCTTTCAGAAAGCTCAATGAACCAACACACCAATTTTCT	3240
Oy	3241	tcacctaaagcattagcaaatgggcatcttgccaataacccaagaagatgcaagacttaactg	3300
Db	3241	TCCCTAAACATAGCAATGGATTTGGCCAAATTAACCAAAAGATGCAAGACTTAATCTGCT	3300
Oy	3301	ggtagctcttgctgagctcaaaacagctgggcagagcaagtgagaaatgccaagactg	3360
Db	3301	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	3360
Db	3301	GTAAGCTTTTCTGCTGCAATTCAAAAAAGTGGGCGAGAGCAAGTGAATAATGCCAGATTG	3360
Oy	3361	ttaaactttcaacctgacagcaaccccaagcagctcagcagtgactgctgaacagcagg	3420
Db	3361	TTAAACTTTTACCTTGACCGACAGACCCACGAGCTCAGAGTGAAGTGTCTTACAGCAGCG	3420
Oy	3421	agtgacctgagagcagaggggagaaagaaagagagagatgtaagtgagcagaagaaag	3480
Db	3421	AGTGACCTGACAGCGGAGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	3480
Oy	3481	acagatctaatcaagggcagtgaggaattgacacagaggaattatagtcacagtgactctg	3540
Db	3481	ACAGATTATTCAGAGGCGAGTGGGAATTGACACAGGAGATTATAGTCCAGCTGATCTCGG	3540
Oy	3541	gtcttagagagcaggggctatctgtgggggaaaaaaacagctcaaggagagctgggaga	3600
Db	3541	GTTCTAGAGAGCGAGGCTATATTGGGGGAGAAAAAAGCACTTCAAGGGAAGTGGGAGA	3600
Oy	3601	cctgattcttaactaatcttctcctctacagctgagtaattcttgagcaagctcaag	3660
Db	3601	CCTGATTTCTAATACTATATTTTTTCTTTACAGCTGAGTATTTGACAAAGTCACAG	3660
Oy	3661	glagtaactgagcctgtaagaatcacttagtctcctctataggaactcttctcctgct	3720
Db	3661	GTAAGTACTGAGGCTGTAAAGATTACTAGTTTCTCTTATAGGAACCTTTTCTCTGT	3720
Oy	3721	ggagttagcagcaagggcgaatcccgcttctcttaacagagaagaacatctcctaagag	3780
Db	3721	GGAGTTACACACACAAAGGCAATCCCTTTCTTTTAAACAGAGAGAGAAACATTTCCATMAAG	3780
Oy	3781	taaaagcacaagatctcaagcttagctctgctgacataagatggtgtttcttgaagaaat	3840
Db	3781	TAAAGCCAAACAGATTCAAGCCTAGCTTGTCTGACTATATGATTTGTTTTTGAAGAAAT	3840
Oy	3841	caatcagcagaatgttactatctgattcagaagaaatgagactagaccctctgctgaagctg	3900
Db	3841	CATTTCAGCGATGTTTACTATCTGATTCAGAAATGAGACTAGTACCTTTGGTCAAGCTG	3900
Oy	3901	taaacaaacaccagctgtaaatgtctcaagttcaggtctcaactcagcagaaacaaatcaa-	3959
Db	3901	TAAACAAACACCCATTTTAAATGTCTCAAGTTCAGGCTTAACTGACAAACAAATCAAT	3960
Oy	3960	aagaaatgaatctttagagcgaacgtgcttctccacaatcggaggtgagctcgcagagg	4019
Db	3961	AAGATTAATCTTTAGACAACTGTGTTCTCCAC-TCTGGAGGTAGTCTGCCAGG	4019
Oy	4020	cagtttgaataatcttactcacaagtaatgaacactgtgtgtgtaatacaacaataaag	4079
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Oy	4080	ttgctcaaggcaatcattatcctcaagtgccttaagttactcctgacagttctgagata	4139
Db	4080	TTGCTCAAGGCAATCAATTAATTTCAAGTGGCTTAAAGTTACTTTCGACAGTTTGGTATA	4139
Oy	4140	tttatgtgctatgacattgcttcttcttcttcttcttcttcttcttcttcttcttcttct	4199
Db	4140	TTTATTTGCTATGCAATTTGCTTTTCTTTTCTTTTCTTTTGGGTTTATTAATGTAACCA	4199
Oy	4200	ggatctaatcaacccacagtcacagaagcctgtgaatttgaaatgagagaaataatcaatc	4259
Db	4200	GGGATTTATTAACCTTCACTCCAGAAAGCTGTGAATTTGAATGAGAGAAATTAATCGTTT	4259
Oy	4260	ttgttttcaacaccttcaactaaatcttaacatttcaatcttgagaaatagagcatala	4319
Db	4260	TTATTTTACCAACCTTCACTTAATTTAAATTTAATTTATTCATTTGCGAATGAGCCATAA	4319
Oy	4320	actcaagtgtaataaacaagtaacgctgtaatttgcattacaaataagaatcaagagact	4379
Db	4320	ACTCAAGTGTGAATTAAGATGACCTGTGATTTTGTGATTACCAATAGAAATCACAGCAT	4379
Oy	4380	ttataacataatcaagctgtgtgacagaacgtgtgaaatgaaataatcttaactcaaaact	4439
Db	4380	TTTATACTATATTACAGTTGTTGCAAGTGTGTAATGTAATAATTTATACTCAAAACT	4439

OY	4440	aacttgaagaatagacccctgcgcyggagtcctgtctttaacaataaaacagttaa	4499
Dd	4440	ACTTTGAATTAAGACCTTCGCTGGATCTTGTTTTAACATATTATAAACATGTITAA	4499
OY	4500	aacttgatatatttgataaalcaatalcatalcaatlcatlgtttcccttgytaalcatalt	4559
Dd	4500	AATTTTGTATTATTGATAAATCAATATTTCATATTATCATATTGTTCCTTGTAATCATATT	4559
OY	4560	cataatlttgaaaacacatcttctcgagaagaagtlccccagaatltaaccaagaagtlcttg	4619
Dd	4560	TATATATTGAAAAACAATCTTTCGAGAAGAGTTCGCCACATTTCCACAAATAGATCTTGG	4619
OY	4620	gcaagcacacacacacagtagaacagtaatltagaagctaacaatgacatlgtgcctgag	4679
Dd	4620	GCAATGCACACACACAGTAGAAGATGATTTAGAGGCTTAACATTTGACATTTGGTGGCTGAG	4679
OY	4680	atgcagaagactgaaaaatlgaaaagtlctcccagaatacacagtlgtltttaaagctagggt	4739
Dd	4680	ATGCAGAAGCTGAATAATVGAAGAACTTCCACCAGAAATPACACAGTTGTTTAAAGCTAGGGGT	4739
OY	4740	gaaggagggaagaaatctgcgcgtctcataagaatgatcccccctggagacctlgatggctgct	4799
Dd	4740	GAGGGGGGAATCTCGCGCTTCTATAGGAATGCTCCTCCCTGGAGCCTGTAGGGTGGCTGT	4799
OY	4800	ccttgtgtcttgagctgagctgltaatlcttctctgtgccctgctacagtlcttaaaagacttgt	4859
Dd	4800	CCTGTGTCTTGAGCTGGCTGTATATTTTCTGTGCTCCCTCCTACGCTTAAGAGACTGTT	4859
OY	4860	tggatctccagcttccaggaatagtgacctggagcaagtgagaggttccaatlggtttgcaga	4919
Dd	4860	TGGATCTCCAGTTCCTTAGCATAGAGCTGTGGCACAGTGGCTTCAATGAGTTTGACAGA	4919
OY	4920	gtgaatggaataataaaactlgaaaataataacccttlttgaaatcaagcacacagtagtccgt	4979
Dd	4920	GTGAATGGAATAATATAACTAGAAATATATCTTTGTTGAATCAGACACACAGTAGTGTCTG	4979
OY	4980	gtgtgaagtgtgttaagtgagtggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt	5023
Dd	4980	GTGTGAAGTGTGTGTACGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	5023
 RESULT 4 US-08-938-669A-26			
Sequence 26, Application US/08938669A			
Patent No. 6171788			
GENERAL INFORMATION:			
APPLICANT: Nguyen, Thai D.			
APPLICANT: Polansky, Jon R.			
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,			
PROGNOSIS AND TREATMENT OF GLAUCOMA AND			
TITLE OF INVENTION: RELATED DISEASES			
NUMBER OF SEQUENCES: 32			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: Howrey & Simon			
STREET: 1299 Pennsylvania Avenue, N.W.			
City: Washington			
STATE: DC			
COUNTRY: USA			
ZIP: 20004-2402			
COMPUTER READABLE FORM:			
MEDIUM TYPE: Diskette			
COMPUTER: IBM Compatible			
OPERATING SYSTEM: DOS			
SOFTWARE: FASTSEQ for Windows Version 2.0			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: US/08/938,669A			
FILING DATE:			
CLASSIFICATION: 435			
PRIOR APPLICATION NUMBER:			
APPLICATION NUMBER: 08/791,154			
FILING DATE: 28-Jan-1997			
ATTORNEY/AGENT INFORMATION:			

```

: NAME: Mendelison, Elliot
: REGISTRATION NUMBER: P-42, 878
: REFERENCE/DOCKET NUMBER: 07425-0034
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202 383-6857
: TELEFAX: 202 383-6610
: TELEX:
: INFORMATION FOR SEQ ID NO: 26:
:-----
: LENGTH: 1548 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: CDNA
: US-08-938-669A-26

Query Match      10.4%; Score 640; DB 4; Length 1548;
Best Local Similarity 100.0%; Pred. No. 6.1e-286;
Matches 640; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 5721 gaccagctcgggaaccccaaacacagaaagtgtgagaaatgtgctcaagaagaactcctccgaagc 5780
Db 421 GACCAAGCTGGAAACCCAAACAGAAAGTTGGAGACTGCTCTCAGGCAACCTCTCCGGAAGC 480
QY 5781 aagtcagctctcgaagaagagaagaaagagactaaagcaagaanaatcgaatctctgccaag 5840
Db 481 AAGTCAGTTCTTGAGAGAAAGAGAAGAAAGGAGCCTAAAGCAAGAAAAAGACAATCTGGCCACG 540
QY 5841 aggttggaaagcagcagccaggaaggttagcaaggtctgaaaggggctcagtgctcccaagc 5900
Db 541 AGGTTGGAAAGCAGCAGCCAGGAGGTATACCAAGGCTGGAAGAGGGCCAGTGTCTCCAGACC 600
QY 5901 cgaagcactgctcgggctgtgtccaccagagctcccaagaaag 5940
Db 601 CGAGACACTGCTGGGGCTGTGTGCCACCAAGGCTCCAGAGAG 640

RESULT 5
US-08-645-900A-2
: Sequence 2, Application US/08645500A
: Patent No. 5849879
: GENERAL INFORMATION:
: APPLICANT: NGUYEN, THAI D.
: APPLICANT: POLANSKY, JON R.

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Db 181 TATACCTTCACTGTGGCAGTCCCAATGAATCCAGCTGCCAGACGACGAGCCAGGCCATG 240
QY 5541 tcagatccataaacttacagagagagacagacagcccaagcgttagaacttgagagccacc 5600
Db 241 TCAGTCACTCATTAACCTTAACAGAGACAGACAGCCACAGCCTTAGACCTGGAGGCCACC 300
QY 5601 aaagcttgactcagctccctcggagagagcctccccaattgaccttgagaccagctgcc 5660
Db 301 AAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCACCAATGACCTTGGACACAGGCTGCC 360
QY 5661 agggccagagagacccagagagagctgcagagagagctgggacccctcggagagagccg 5720
Db 361 AGGCCCCAGAGACCCAGAGAGAGGCGCTCCAGAGGAGCTGGGACCTTGAGGCGGAGCGG 420
QY 5721 gaccagctggaaccccaacacagagagcttgagagactgctactacagcaacccctcccgagac 5780
Db 421 GACCAGCTGGAAACCCAAACAGAGAGTGGAGACTGCTTAACAGCAACCTTCCTCCGAGAC 480
QY 5781 aagtcagctctgagagagagagagagagcgaactaagcagaagaaatgagaaatctggccagg 5840
Db 481 AAGTCAGCTTGTGGAGGAAGAGAAAGCACTAAGGCAGAAATGAAATCTGGCCAGG 540
QY 5841 aggttgaaagcagcagcagcagagctgacagagctgagagagagccagtgctccagagacc 5900
Db 541 AGGTTGGAAGACAGACAGCCAGAGAGTACAGAGCTGAGAAAGGGGCCAGTGTCCCGAGACC 600
QY 5901 cgagacacgtcctcgagctgtgcacacagagctccagagaag 5940
Db 601 CGAGACACTGCTGGGCTGTGCCACAGGCTCCAGAGAG 640
RESULT 7
US-08-667-790A-2
Sequence 2, Application US/08667790A
Patent No. 5861497
GENERAL INFORMATION:
APPLICANT: NGUYEN, THAI D.
APPLICANT: POLANSKY, JON R.
APPLICANT: HUANG, WEIDONG
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
TITLE OF INVENTION: GLAUCOMA
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/667,790A
FILING DATE: 21 JUNE 1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MARSH, DAVID
REGISTRATION NUMBER: 41,408
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1999 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-667-790A-2

Query Match 10.4%; Score 640; DB 2; Length 1999;
Best Local Similarity 100.0%; Pred. No. 6,1e+286;
Matches 640; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 5301 agagcttcagagagagagcctcacaagcctctgcaatgagtgctctgtgacagtgctc 5360
Db 1 AGAGCTTCCAGAGGAAGCCTTCAACAGCCTTGCATATGAGTTCCTGTGTGACAGCTTGC 60
QY 5361 tgcagcttgagcctgagatgagcagcgtgtccagctgtgtcttgctgctgctggtgtg 5420
Db 61 TGCAGCTTTGGGCTTGAGATGCCAGCTGTCCAGCTGTCTGTGCTGTGCTGTGTGTG 120
QY 5421 gatctggggccagagacagctcagctcagagagagccaatgaccagagctggcgatgccag 5480
Db 121 GATGTGGGGCCAGAGACAGCTCAGCTCAGAGAGCCCAATACCAAGATGGCCGATGCCAG 180
QY 5481 tataccttcagtgctggcagctcccaatgaaatccagctgtgccagagacagagccaatg 5540
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Db 241 TCAGTCACTCATTAACCTTAACAGAGACAGACAGCCACCAACGCTTAGACCTGGAGGCCACC 300
QY 5601 aaagcttgactcagctccctcggagagagcctccccaattgaccttgagaccagagctgcc 5660
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QY 5661 agggccagagagacccagagagagctgcagagagagctgggacccctcggagagagccg 5720
Db 361 AGGCCCCAGAGACCCAGAGAGGCGCTCCAGAGGAGCTGGGACCTTGAGGCGGAGCGG 420
QY 5721 gaccagctggaaccccaacacagagagcttgagagactgctactacagcaacccctccgagac 5780
Db 421 GACCAGCTGGAAACCCAAACAGAGAGTGGAGACTGCTTACAGCAACCTTCCTCCAGAC 480
QY 5781 aagtcagctctgagagagagagagagcgaactaagcagaagaaatgagaaatctggccagg 5840
Db 481 AAGTCAGCTTGTGGAGGAAGAGAAAGCACTAAGGCAGAAATGAAATCTGGCCAGG 540
QY 5841 aggttgaaagcagcagcagcagagctgacagagctgagagagagcagagtgctccagagacc 5900
Db 541 AGGTTGGAAGACAGACAGCCAGAGAGTACAGAGCTGAGAAAGGGGCCAGTGTCCCGAGACC 600
QY 5901 cgagacacgtcctcgagctgtgcacacagagctccagagaag 5940
Db 601 CGAGACACTGCTGGGCTGTGCCACAGGCTCCAGAGAG 640
RESULT 8
US-09-220-459-2
Sequence 2, Application US/09220459
Patent No. 6150161
GENERAL INFORMATION:
APPLICANT: Nguyen, Thai D
APPLICANT: Polansky, Jon R
APPLICANT: Huang, Weidong
TITLE OF INVENTION: Methods for the Diagnosis of Glaucoma
FILE REFERENCE: 07425.0056
CURRENT APPLICATION NUMBER: US/09/220,459
CURRENT FILING DATE: 1998-12-24
EARLIER APPLICATION NUMBER: 08/882,238
EARLIER FILING DATE: 1997-06-25
EARLIER APPLICATION NUMBER: 08/649,432
EARLIER FILING DATE: 1996-05-17
EARLIER APPLICATION NUMBER: 08/546,568
EARLIER FILING DATE: 1995-10-20
EARLIER APPLICATION NUMBER: 08/336,235
EARLIER FILING DATE: 1994-11-03
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2

LENGTH: 1999
TYPE: DNA
ORGANISM: Homo sapiens
US-09-220-459-2

Query Match 10.4%; Score 640; DB 3; Length 1999;
Best Local Similarity 100.0%; Pred. No. 6,1e-286;
Matches 640; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 5301 agagcttcagaggaagcctccacaaagcctctgcaatgaggtctctctgtgcaagcttgc 5360
DB 1 agagcttcagaggaagcctccacaaagcctctgcaatgaggtctctctgtgcaagcttgc 60
OY 5361 tgcagcttgggctcgtgaatgcaagcttgcagcttgcagcttgcagcttgcagcttgc 5420
DB 61 tgcagcttgggctcgtgaatgcaagcttgcagcttgcagcttgcagcttgcagcttgc 120
OY 5421 gatgtggggccagagcagctcagcttcagggaaagcgaatgaccagagatggccgatggcag 5480
DB 121 gatgtggggccagagcagctcagcttcagggaaagcgaatgaccagagatggccgatggcag 180
OY 5481 tataccttcagtgtggtcagcttcacaaatgaaatcagcttgcagagcagagccagacatg 5540
DB 181 tataccttcagtgtggtcagcttcacaaatgaaatcagcttgcagagcagagccagacatg 240
OY 5541 tcagtcatacctaatactcagagagagcagcagaccacaaagcttgcagcttgcagagccac 5600
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OY 5601 aaagctcagctcagcttccctctgagagcctcctccacaaatgaaatgaaatgaaatgaa 5660
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OY 5721 gaccagcttggaaacccaacagagaggttggagagcttgcataagaaactctctccagagac 5780
DB 421 gaccagcttggaaacccaacagagaggttggagagcttgcataagaaactctctccagagac 480
OY 5781 aagtcagcttctggaagagagagagagcagactcaagcaagaatgagaatcttggccagag 5840
DB 481 aagtcagcttctggaagagagagagagcagactcaagcaagaatgagaatcttggccagag 540
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OY 5901 cgagacactgtctgggtctgttcacacaggtctccagagaag 5940
DB 601 cgagacactgtctgggtctgttcacacaggtctccagagaag 640

RESULT 9
US-08-546-568B-2

Sequence 2, Application US/08546568B
Patent No. 6248867
GENERAL INFORMATION:
APPLICANT: NGUYEN, THAI D.
APPLICANT: POLANSKY, JON R.
APPLICANT: HUANG, WEIDONG
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: US
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/546,568B
FILING DATE: 20 October 1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MARSH, DAVID
REGISTRATION NUMBER: 41,408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEFAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1999 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-546-568B-2

Query Match 10.4%; Score 640; DB 4; Length 1999;
Best Local Similarity 100.0%; Pred. No. 6,1e-286;
Matches 640; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 5301 agagcttcagaggaagcctccacaaagcctctgcaatgaggtctctctgtgcaagcttgc 5360
DB 1 agagcttcagaggaagcctccacaaagcctctgcaatgaggtctctctgtgcaagcttgc 60
OY 5361 tgcagcttgggctcgtgaatgcaagcttgcagcttgcagcttgcagcttgcagcttgc 5420
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OY 5421 gatgtggggccagagcagctcagcttcagggaaagcgaatgaccagagatggccgatggcag 5480
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OY 5541 tcagtcatacctaatactcagagagagcagcagaccacaaagcttgcagcttgcagagccac 5600
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DB 481 aagtcagcttctggaagagagagagagcagactcaagcaagaatgagaatcttggccagag 540
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OY 5901 cgagacactgtctgggtctgttcacacaggtctccagagaag 5940
DB 601 cgagacactgtctgggtctgttcacacaggtctccagagaag 640


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1  EARLIER FILING DATE: 1996-05-17
2  EARLIER APPLICATION NUMBER: 08/546,568
3  EARLIER FILING DATE: 1995-10-20
4  EARLIER APPLICATION NUMBER: 08/336,235
5  EARLIER FILING DATE: 1994-11-03
6  NUMBER OF SEQ ID NOS: 3
7  SOFTWARE: PatentIn Ver. 2.0
8  SEQ ID NO 3
9  LENGTH: 1512
10 TYPE: DNA
11 ORGANISM: Homo sapiens
12 OS-09-220-459-3

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Query Match	9.8%	Score 604;	DB 3;	Length 1512;
Best Local Similarity	100.0%;	Pred. No. 2.6e-269;		
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Dd	1	a t g a g g t c t c t c t c t g t g a a c g t t g c t g a g c t t g c g a g c c t t g g a t g a t g c c a g c t g t c a a g c t g	60
OY	5397	c t g c t c t c t g c c t g a c c t g n g t g t g g a t g t g y g g y c c a g a g a c a g c t c a a g c t c a a g y a g a g c	5456
Dd	61	c t g c t c t c t g c c t c t g c c t g n g t g t g g a t g t g y g g y c c a g a g a c a g c t c a a g c t c a a g y a g a g c	120
OY	5457	a a t g a a c c a a g a g t g y g c c a a g t c o g a t a t g c a a g t a t a c t t c a t g t g t g y g c c a a g t c c c a a t g a a t c c a g c	5516
Dd	121	a a t g a a c c a a g a g t g y g c c a a g t c o g a t a t g c a a g t a t a c t t c a t g a g t g t g y g c c a a g t c c c a a t g a a t c c a g c	180
OY	5517	t g c c c a a g a g c a g a g c c a a g a g c a g t c a g t c a g t c a t c a t c a a t c t a c a g a a g a g a g a c a g a c a c	5576
Dd	181	t g c c c a a g a g c a g a g c c a a g a g c a g t c a g t c a g t c a t c a t c a a t c t a c a g a a g a g a g a c a g a c a c	240
OY	5577	c a a c a g c t t a g a a c c t g n a g a g c c a a c a a a g c t g a a c t a g a c t c c c t c g t g a g a g a g c t c t c c a c	5636
Dd	241	c a a a g c t c t a g a a c c t g n a g a g c c a a c a a a a g c t g a a c t a g a c t c c c t c g a g a g a g c t c t c t c c a c	300
OY	5637	c a a t c t a g c c t c t g a a c c a a g a g t t g c a c a a g a g c c c c a a g a g a g a c c c a a g a g a g a g c t g c a a g a g a g	5696
Dd	301	c a a t t g a c c t c t g a a c c a a g a g c t g c a c a a g a g c c c c a a g a g a g a c c c a a g a g a g a g c t g c a a g a g a g	360
OY	5697	c t g y g a c c c c t g n a g c g y g a g c g y a g c a a g c t g y a a a a c c c a a c c a a g a g a g t t g y a g a g t	5756
Dd	361	c t g y g a c c c c t g n a g c g y g a g c g y a g c a a g c t g y a a a c c c a a a c c a a g a g a g t t g y a g a g a c t	420
OY	5757	g c t c a c a c a g c a a a c t c t c t c c c o g a g a c a a g t c a a g t c t c t g a g a g a a g a g a g a g c t a a g	5816
Dd	421	g c c c a c a c a g c a a a c t c t c t c c c o g a g a c a a g t c a a g t c t c t g a g a g a g a g a a g a a a g a c t a a g	480
OY	5817	c a a g a a a a t a g a a a c t c t g a c c a a g a g t t g y a a a g c a a g a g c a a g a g a g t a g c a a g a g t g	5876
Dd	481	c a a g a a a a t a g a a a c t c t g a c c a a g a g t t g y a a a g c a a g a g c a a g a g a g t a g c a a g a g t g	540
OY	5877	a g a a g y g g c a g t g t c c c c a a g a c c o g a a c a c a t g c t g a g c t g t g t c a g c c a a g g c t c a g a	5936
Dd	541	a g a a g y g g c a g t g t c c c c a a g a c c o g a a c a c a t g c t g a g c t g t g t c a g c c a a g g c t c a g a	600
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Dd	601	g a a g 604	
RESULT 14			
US-08-546-568B-3			
; Sequence 3, Application US/08546568B			
; Patent No. 6248867			
; GENERAL INFORMATION:			
; APPLICANT: NGUYEN, THAI D.			
; APPLICANT: POLANSKY, JON R.			
; APPLICANT: HUANG, WEIDONG			
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF			
; TITLE OF INVENTION: GLAUCOMA			

```

1  NUMBER OF SEQUENCES: 3
2  CORRESPONDENCE ADDRESS:
3  ADDRESSEE: HOWREY & SIMON
4  STREET: 1299 PENNSYLVANIA AVE., N.W.
5  CITY: WASHINGTON
6  STATE: D.C.
7  COUNTRY: US
8  ZIP: 20004
9  COMPUTER READABLE FORM:
10 MEDIUM TYPE: floppy disk
11 COMPUTER: IBM PC compatible
12 OPERATING SYSTEM: PC-DOS/MS-DOS
13 SOFTWARE: patentin Release #1.0, Version #1.25
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/08/546,568B
16 FILING DATE: 20 October 1995
17 CLASSIFICATION: 536
18 ATTORNEY/AGENT INFORMATION:
19 NAME: MARSH, DAVID
20 REGISTRATION NUMBER: 41,408
21 TELECOMMUNICATION INFORMATION:
22 TELEPHONE: (202) 383-7451
23 TELEFAX: (202) 383-6610
24 INFORMATION FOR SEQ ID NO: 3:
25 SEQUENCE CHARACTERISTICS:
26 LENGTH: 1512 base pairs
27 TYPE: nucleic acid
28 STRANDEDNESS: single
29 TOPOLOGY: linear
30 MOLECULE TYPE: CDNA
31 US-08-546-568B-3:

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Query Match	9.88;	Score 604;	DB 4;	Length 1512;
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Db	1	A T G A G G T T C T T C T C T G C A C G T T G C A G C T T T G G G C C T G A G A T G C C A G C T T C C A C G T G	60
OY	5337	c t g c t c t c t g a c c t c t g t c t g t g a b t g t g g g c c a g a a c a g c t c a g c t c a a g a a g c	5456
Db	61	C T G G T T T C T G G C C T C C C G T G T G T G G A T G T G G G G C C A G A C A G C T C A G C T C A G A A G G C C	120
OY	5457	a a t a c a a g a g t g g c c a a t b c c a a t a c c t t c a a g t g t g c c a a g t c c c a a t a a c c a g	5518
Db	121	A A T G A C C A G A G T G G C C G A T C C A G T A T A C C T T A G T G T G G C A G T C C A A T A A T C A G C	180
OY	5517	t g c c c a a g c a g c a g a g c c a g c c a t g t c a g t c a t c c a t a a c t a a c t a a g a g a a c a g c a a c c	5576
Db	181	T G C C C A A G A G A G A C C C A G G C C A T G T A G T A T C A A T T A C A G A G A C A G C A G C A C C	240
OY	5577	c a a g c t t a g a c c t c t g a g g c c a c c a a a g c t c g a c t a g c t c c c t g a g a g c t c t c c a c	5636
Db	241	C A A G C T T A A G C C T G A G G G C C A C C A A A G C T C A G C T A G C T C C C T G A G A G C C T C C T C A C	300
OY	5637	c a a t t a g a c c t t g a c c a a g c t g c c a a g c c c c a a g a g a c c c a a g a a g g c t c t g a a g a g	5696
Db	301	C A A T T G A C C T T T G G A C C A G G C T T G C C A G G C C C C A G A A C C C A G A G G G C T T C G A C G A G G A G	360
OY	5697	c t t g g a c c c c t g a g c g a g a g c g a g c c a a g t t g a a c c c a a c c a a g a a g a t t g t a a g c t	5756
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OY	5757	g c c t a c a g c a a c c t c c t c g a g a c a a g t a g t c t c t g a g a a g a a a a g a a g a a g a c t a a g	5816
Db	421	G C C T A C A G C A A C C T C C C A G A C A G A C T A G T C T T G A G A G A G A A A G A A G C A G C A C T A A G C	480
OY	5817	c a a a a a a t a a g a t c t g c c c a a g a g t t t g a a a a g a a g a a g c c a a g a g t a g t a a a g c t g	5876
Db	481	C A G A A A A T A G A N A T C T G G C C A G A G A G T T G A A A G A C A G C A G C A G A G A G T A C C A A G C T G	540

Oy	5877	AGAAAGGGCCAGTGTCCCCAGACCAGAGACATGTCTCGGGTCTGTGCACACAGGCTCCAGA	5936
Db	541	AGAAAGGGCCAGTGTCCCCAGACCAGACACTGTCTCGGGCTGTGCCACACAGCTCCAGA	600
Oy	5937	gaag 5940	
Db	601	GAAG 604	
